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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF MAILING  
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Date of Deposit January 3, 2002

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office Box Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Box Patent Application, U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202

NAME: Yue p Ruan

SIGNATURE: Yue p Ruan

DATE: 1/3/2002

Docket No.: HAG 115 DIV

Prior Application:

Examiner: Patricia L. Hailey

Art Unit: 1755

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir/Madam:

This is a request for filing a [ ] continuation [X] divisional application of pending prior application Serial No. 09/137,723 filed on August 21, 1998 for Photocatalytic Filter.

1. Enclosed is a copy of the prior application, including the oath or declaration as originally filed.

I hereby verify that the attached papers are a true copy of prior application Serial No. 09/137,723 as originally filed on August 21, 1998 and further that this statement is made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false

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statements may jeopardize the validity of the application  
or any patent issuing thereon.

2. ☒ The filing fee is calculated below pursuant to the  
claims as filed in the prior application:

a. ☐ less any claims canceled by Amendment  
below.

b. ☒ after entering the attached Preliminary  
Amendment.

☐ Small Entity

☒ Large Entity

For	Number Filed	Number Extra	Rate	Fee
Total Claims	4	0	x \$18	\$ 0.00
Independent Claims	1	0	x \$84	\$ 0.00
Multiple Dependent Claims (minimum fee - additional charge may be due under total claim calculation - See 37 CFR §§ 1.16(d) and 1.75(c))	0		\$280.00	
Basic Fee (minimum amount required)			\$740.00	\$ 740.00
Total Filing Fee				\$ 740.00

3. ☒ The Commissioner is hereby authorized to charged  
any additional fees which may be required, or  
credit any overpayment to Account No. 50/1039. A  
duplicate copy of this sheet is enclosed.

4. ☒ A check in the amount of \$740.00 is enclosed.
5. ☒ Cancel in this application original claims 1-14 of the prior application before calculating the filing fee.
- ☒ Enter the enclosed Preliminary Amendment prior to calculating the filing fee.
6. ☒ Amend the specification by inserting before the first line the sentence: --This is a ☐ continuation, ☒ division, of application serial no. 09/137,723, filed August 21, 1998.--
- ☒ Amend the specification per the attached Preliminary Amendment.
7. ☒ Transfer the drawings from the prior application to this application and abandon said prior application as of the filing date accorded this application. A duplicate copy of this sheet is enclosed for filing in the prior application file. (May only be used if signed by person authorized by 37 C.F.R. § 1.138 and before payment of base issue fee.)
- ☐ New formal drawings are enclosed.
- ☐ Informal drawings are enclosed.
8. ☒ Priority of application serial no. 227697/1977 filed on August 25, 1997 and serial no. 350939/1997

filed on December 19, 1997 in Japan are claimed under 35 U.S.C. § 119.

[ ] Certified copies of the priority application have been filed in prior application serial no. 09/137,723, filed August 21, 1998.

9. [ X ] With respect to the prior co-pending U.S. application from which this application claims benefit under 35 U.S.C. § 120 the inventor(s) in this application are:

a. [ X ] the same.

b. [ ] less than those named in the prior application and it is requested that the following inventor(s) for the prior application be deleted: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_.

10. [ X ] The inventorship for all the claims in this application is:

a. [ X ] the same.

b. [ ] not the same, and an explanation, including the ownership of the various claims at the time the last claimed invention was made, is submitted.

11. [ X ] The prior application is assigned of record to Hoya Corporation.

12. [ X ] The power of attorney in the prior application is to: Edward D. Manzo registration no. 28,139 of Cook, Alex, McFarron, Manzo, Cummings & Mehler, Ltd.

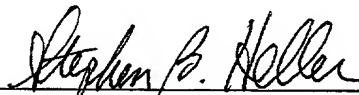
a. [ X ] The power appears in the original papers in the prior application. ( A copy is enclosed.)

b. [ ] Since the power does not appear in the original papers, a copy of the power in the prior application is enclosed.

c. [ X ] Address all future communications to:

Edward D. Manzo  
Cook, Alex, McFarron, Manzo,  
Cummings & Mehler, Ltd.  
200 West Adams Street, #2850  
Chicago, Illinois 60606

Respectfully submitted,



Stephen B. Heller  
Registration No. 30,181

Date: January 3, 2002

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